

Safety Data Sheet

1 Identification of the Substance or Mixture and of the Supplier (Company/Undertaking)


Product Identifier	Product Name	: LS OIL
Other Means of Identification	Code No.	: 8491720 (NET 60ml)
Recommended Use of the Chemical and Restrictions on Use	Relevant Identified Uses	: Lubricant for dental handpiece
	Uses Advised Against	: Unintended uses
Details of the Supplier	Manufacturer	
	Company Name	: J. MORITA MFG. CORP.
	Address	: 680 Higashihama Minami-cho Fushimi-ku, Kyoto, 612-8533 Japan
	Telephone No.	: +81-75-611-2141
	Distributor	
		:
		:
		:
Emergency Phone Number		:

2 Hazards Identification

Classification of the Substance/Mixture

GHS Classification	Regulation EC No. 1272/2008
STOT-Repeated Exposure :Category 1	STOT RE. 1
Aspiration Hazard :Category 1	Asp. Tox. 1

Label Elements

Pictogram	:		GHS08 Health hazard
Signal Word	:	Danger	
Hazard Statements	:	H304	May be fatal if swallowed and enters airways.
	:	H372	Causes damage to organs (Liver, lymph nodes) through prolonged or repeated exposure.
Precautionary Statements	:		
Prevention	:	P260	Do not to breathe fume / gas / mist / vapors / spray.
	:	P264	Wash hands thoroughly after handling.
	:	P270	Do not eat, drink or smoke when using this product.
Response	:	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
	:	P331	Do NOT induce vomiting.
Storage	:	P405	Store locked up.
Disposal	:	P501	Dispose of contents/container in accordance with local / regional / national / international regulations.

Other Hazards

EU	:	The product does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.
Australia	:	This product is classified as Non-Hazardous (WHS requirement) and Non-Dangerous (ADG requirement).
Korea	:	All components of the product have been listed in the Korea Existing Chemical Inventory and are not regulated substance under the Toxic Chemicals Control Act.

3 Composition / Information on Ingredients

Mixtures

Concentration or Concentration Range in the Mixture

Chemical Name	CAS No.	EC No.	Index No.	wt%
White Mineral Oil (Liquid paraffin)	8042-47-5	232-455-8	-	80-99
Oiliness Improver	Non-Disclosure	Non-Disclosure	-	1-20

4 First Aid Measures

Description of first aid measures

If Inhaled:

- : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- : Get medical advice/attention if you feel unwell.

If on Skin

- : Wash with plenty of soap and water.
- : If skin irritation occurs, get medical advice/attention.

If in Eyes

- : Rinse cautiously with water for several minutes.
- : If eye irritation persists, get medical advice/attention.

If Swallowed:

- : If swallowed,rinse mouth, do not induce vomiting, immediately call a poison center or doctor/ physician.
- : Get medical advice/attention if you feel unwell.

Most Important Symptoms and Effects, both Acute and Delayed

May cause granulomas.

Indication of any Immediate Medical attention and Special Treatment Needed

No further relevant information available.

5 Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media

: Chemical water spray(fog), Foam, Dry chemical or Carbon dioxide.

Not Suitable Extinguishing Media

: Full water jet.

Specific Hazards Arising from the Substance or Mixture

: Toxic gas generated in case of fire.

Advice for Firefighters

- : Cut off any ignition sources and extinguish with an appropriate agent.
- : Cool the surrounding tank and the buildings with direct water jet to avoid risk of fire spreading.
- : Take action from windward.
- : Keep out except responsible personnel.
- : Move container to a safe area if it can be done without risk.
- : Wear full protective equipment: eye/face (shield), body (full Bunker Gear), respiratory (SCBA).

6 Accidental Release Measures

Personal Precautions Protective Equipment and Emergency Procedures.

For non-emergency personnel

: Wear suitable protective equipment (see Section 8) e.g., safety gloves, protective mask and/or protective glasses to prevent exposure.

For emergency responders:

- : Keep out except responsible personnel.
- : Wear suitable protective equipment described in "SECTION 8: Exposure controls/ personal protection"

Environmental Precautions

- : Avoid release into the environment because product may cause local effects.
- : Inform respective authorities in case of seepage into water course or sewage system.
- : Do not allow to enter sewers/surface or ground water.

Methods and Material for Containment and Cleaning up

- : Stop leak if you can do it without risk.
- : In case of small amounts, wipe off spilled material with waste or wiping cloth and collect it in an adequate waste container.
- : If case of large amounts, prevent leakage and enclose by embankment.
- : Prevent to flowing into drains, sewers, basements or closed areas.
- : Pump into a waste container with explosion-proof equipment and/or wipe up with absorbent material.
- : Clean the spilled area with appropriate cleaner.

7 Handling and Storage

Precautions for Safe Handling

Protective Measures

- : Install appropriate equipment and wear suitable protective apparatus described in "SECTION 8".
- : Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- : Ground/bond container and receiving equipment.
- : Use explosion-proof electrical/ventilating/lighting equipment.
- : Use only non-sparking tools.
- : Take precautionary measures against static discharge.
- : Wash contaminated clothing before reuse.
- : Do not handle until all safety precautions on SDS have been read and understood.
- : Use outdoors or in a well-ventilated area.
- : Do not breathe fume/gas/mist/vapor/ spray.

Advice on General Occupational Hygiene:

- : Wash hands thoroughly after handling.
- : Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including any Incompatibilities

Technical Measures:

- : Install appropriate equipment and wear suitable protective apparatus described in "SECTION 8".

Incompatible Materials:

- : Store away from oxidizing agents.

Conditions for Safe Storage:

- : Avoid heat, open flames, including pilot light, and strong oxidizing agents.
- : Be grounded all handling equipment to prevent sparking.
- : Store locked up.
- : Store in a cool and dry place with adequate ventilation.
- : Keep container closed when not in use.

Packing Material

- : Use a sealed container without damage or leakage.

Specific End Use(s)

No further relevant information available.

8 Exposure Controls / Personal Protection

Control Parameters

Acceptable Concentration (exposure limit, biological exposure index)	
EU IOELV	: Not applicable
ACGIH TLV-TWA (2018)	: Not applicable
ACGIH TLV-STEL (2018)	: Not applicable

Exposure Controls

Appropriate Engineering Controls

- Be equipped with local exhaust ventilation (explosion-proof) if you are generate vapor or mist.
- Make body and eye washer available in the vicinity of the handling place.

Personal Protective Equipment

Respiratory protection	: None necessary when room is well-ventilated.
	: If vapor or mist is generated, wear a mask for organic gas.
Hand protection	: Oil resistant gloves
Eye protection	: Safety glasses.
Skin and body protection	: Wear oil-proof long sleeve work clothing if you will wet.

9 Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	: Liquid, Collarless
Odour	: Odourless
Odour Threshold	: Not applicable
pH	: No datetermined
Melting Point	: No datetermined
Boiling Point	: Not applicable
Flash Point	: 170°C< (Method used : C.O.C.)
Evaporation Rate	: Not applicable
Flammability (solid, gas)	: Not applicable
Upper/lower fFlammability or Explosive Limits	: Not applicable
Vapor Pressure	: No datetermined
Vapour Density	: No datetermined
Relative Density	: 0.86 g/cm ³ (at 15°C) as a representative value
Solubility (ies)	: Insoluble in water.
Partition Coefficient: n-Octanol/Water	: Not applicable
Auto-Ignition Temperature	: No datetermined
Decomposition Temperature	: No datetermined
Viscosity	: 12 mm ² /s (at 40°C) as a representative value
Explosive Properties	: No datetermined
Oxidising Properties	: No datetermined
Other Information	: No datetermined

10 Stability and Reactivity

Reactivity	: Stable under room temperature.
Chemical Stability	: This is a stable material under normal and anticipated storage and handling condition.
Possibility of Hazardous Reactions	: No hazardous reaction expected under normal handling.
Conditions to Avoid	: Open flames, welding arcs, or high temperature sources.
Incompatible Materials	: Oxidizing agent
Hazardous Decomposition Products	: In case of fire, toxic decomposition products may be generated.

11 Toxicological Information

Information on Toxicological Effects

Acute Toxicity(Orel)	: Not classified White mineral oil LD50 > 5000mg/kg
Skin Corrosion / Irritation	: Not classified Oral mucosa irritation test in syrian hamsters Irritation index: 0.4, within the acceptable limit. Investigation by a third party organization
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitization	: Not classified GPMT Magnusson and Kligman scores: 0, not indicate sensitization. Investigation by a third party organization
Germ Cell Mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Reproductive Toxicity	: Based on available data, the classification criteria are not met.
STOT-Single Exposure	: Based on available data, the classification criteria are not met.
STOT-Repeated Exposure	: Category 1 (Liver, lymph nodes). White mineral oil NOEL/LOEL : 1.7mg/kg/day, IUCLID(2000)
Aspiration Hazard	: Category 1 The kinematic viscosity of Hydrocarbon : less than 20.5mm ² /s, at 40°C.

12 Ecological Information

Toxicity	: No datetermined
Persistence and degradability	: Not easily biodegradable
Bioaccumulative potential	: No datetermined
Mobility in soil	If this product is released into the environment, it may be distributed in the soil. This product may not be readily biodegradable.
Other adverse effects	: Each ingredient of this material has not been listed in the Montreal Protocol on Substances that Deplete the Ozone Layer.
Results of PBT and vPvB Assessment	: The product does not meet the PBT and vPvB criteria.

13 Disposal Considerations

Disposal Methods	
Waste should not be disposed to the sewer.	
Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.	

14 Transport Information

UN Number	: Not applicable
UN Proper Shipping Name	: Not applicable
Transport Hazard Class (es)	: Not applicable
Packing Group	: Not applicable
Environmental Hazards	: Not applicable
Special Precautions for User	: When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.
Transport in Bulk According to Annex II of MARPOL 73/78 and IBC code	: Not applicable

15 Regulatory Information

Safety, health and environmental regulations/ legislation specific for the product in question	
DIRECTIVE 2012/18/EU	
Named dangerous substances - ANNEX I	: None of ingredients is listed.
USA	
CLEAN WATER ACT (CWA)	: This material is not regulated under the Clean Water Act.
CLEAN AIR ACT (CAA)	: This material is not regulated under the Clean Air Act.
AUSTRALIA	
Work Health and Safety Act (WHS)	: Non-Hazardous
Australian Dangerous Goods (ADG) Code	: Non-Dangerous
SUSMP	: Not applicable
KOREA	
Toxic Chemicals Control Act (TCCA)	: Not applicable
Chemical safety assessment	
Chemical safety assessment has not been carried out.	

16 OTHER INFORMATION

Abbreviations	
PBT: Persistent, Bioaccumulative and Toxic substance	
STOT: Specific Target Organ Toxicity	
SVHC: Substances of Very High Concern	
GHS: Globally Harmonised System of Classification and Labelling of Chemicals	
LD50: Lethal Dose, 50%	
GPMT: Guinea Pig Maximization Test	
NOEL: No Observed Effect Level	
LOEL: Lowest Observed Effect Level	
IUCLID: International Uniform Chemical Information Database	

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.